

11, the elements for preventing rotation of the cartridge 50 are summarized as "zero-twist rifling". The term "guide means" as related to the mechanism for providing the non-rotational or zero-twist rifling in the sections of the Specification indicated above. The elements of guide keys 76 and keyways 68 are consistently used throughout the Specification in respect of the means in which the cartridge and launch tube cooperate to launch the cartridge without axial rotation. It is Applicant's view that such description will be uniformly interpreted by those skilled in the art as "guide means". There are no other corresponding terms in the Specification which would provoke a different interpretation.

As to the term "means for rotating", the Specification beginning at page 13, line 12 through to page 14, line 3 describes the servo motor 32, launch tube 24 and base 22 and outer tube 25 in respect of the means for rotation of the launch tube. Further at page 24, line 3 through to page 26, line 13, the Specification describes the function of the rotation of the launch tube and setting of the azimuth of the tube and cartridge orientation for the course of the launch. Applicant's invention is novel in that the cartridge (projectile) is launched out of a vertical tube, with a predetermined built-in pitch from the vertical to a specific course, as determined by the azimuth set by the means for rotating (e.g., servo motor).

In respect of the "propulsion means", the Specification recites the traditional means of firing, or providing motion on the intended course of projectiles - page 15, lines 16 and 17 identify rocket motor, impulse assembly and mortar assembly as typical motors for firing the cartridge. Those skilled in the art certainly are aware of such, as well as other propulsion mechanism, and further description would be redundant.

In respect of the term "canard means", Applicant appreciates that the term may be redundant of "canards", since that term is understood by those skilled in the art as a forward mounted means for a missile or aircraft for controlling pitch. In that respect, Applicant is deleting the word "means" from claims 44 and 48.

The remaining objection is in respect of the term "means for setting the azimuth" which appears in claim 45. In that claim 44 is being amended to provide for the setting of the azimuth by rotation of the launch tube, claim 45 is being cancelled.